11-09-04

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November 8, 2004

Via Express Mail

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 Benjamin M. Halpern Direct 212 336 8095 E-mail bhalpern@arelaw.com

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I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450,

Alexandria, VA 22313-1450.

Name: Vivian Campbell Signature: Vivian Campbell

Re:

U.S. Patent Appln. S.N. 10/803,847

Filed: March 18, 2004 Inventor: Guangming Xiao

Title: EMBEDDED ATTENUATED PHASE SHIFT MASK WITH

TUNABLE TRANSMISSION

Our File: 67493/121(formerly 6758.2-1)

Dear Sir:

Please find enclosed a "Revocation of Power of Attorney with New Power of Attorney and Change of Correspondence Address" and Statement under 37 CFR 3.73(b) in duplicate, appointing Amster, Rothstein & Ebenstein as new counsel in the above-referenced patent application. Also enclosed is a copy of the recorded Assignment.

Please acknowledge receipt of the enclosed papers by stamping the enclosed postcard and returning the same.

Respectfully submitted,

AMSTER, ROTHSTEIN & EBENSTEIN LLP

Charles R. Macedo BMH
Charles R. Macedo

Registration No. 32,781

CRM:BMH/vc Enclosures

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PTO/SB/82 (09-04)
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REVOCATION OF POWER OF ATTORNEY WITH NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS

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	Application Number	10/803,847		
	Filing Date	March 18, 2004		
	First Named Inventor	Guangming Xiao		
Art Unit Examiner Name		Not Yet Assigned		
		Not Yet Assigned		
	Attorney Docket Number	67493/121 (6758.2-1)		

I hereby revoke all previous powers of attorney given in the above-identified application.									
A Power of Attorney is submitted herewith.									
OR ✓ I hereby a						912			
Please change the correspondence address for the above-identified application to: The address associated with Customer Number: 1912									
OR		1		•	<u>.</u>		J		
Firm or Individual N	Firm <i>or</i> Individual Name Charles R. Macedo, Esq.								
Address Amster, Rothstein & Ebenstein, LLP 900 Park Avenue									
City		New York		State New York			Zip	10016	
Country		USA							
Telephone		212-336-8000		Fax ₂₁₂		212-336-8001			
I am the: Applicant/Inventor. Assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)									
SIGNATURE of Applicant or Assignee of Record									
Signature A A									
Name PHOTRONICS, INC. , Edwin L. Lewis									
Date 11-03-04 Telephone 203 740-5621									
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.									
*Total of 1		forms are submitted.							

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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STATEMENT UNDER 37 CFR 3.73(b)				
Applicant/Patent Owner: GUANGMING XIAO				
Application No./Patent No.: 10/803,847 Filed/Issue Date: March 18, 2004				
Entitled: EMBEDDED ATTENUATED PHASE SHIFT MASK WITH TUNABLE TRANSMISSION				
PHOTRONICS. INC. , a CORPORATION (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)				
states that it is: 1. the assignee of the entire right, title, and interest; or				
2. an assignee of less than the entire right, title and interest. The extent (by percentage) of its ownership interest is%				
in the patent application/patent identified above by virtue of either:				
A assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 015122 , Frame 0219 , or for which a copy thereof is attached.				
OR B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:				
1. From: To: To: The document was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.				
From:				
3. From: To:				
The document was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.				
Additional documents in the chain of title are listed on a supplemental sheet.				
Copies of assignments or other documents in the chain of title are attached. [NOTE: A separate copy (<i>i.e.</i> , a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]				
The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.				
11-63-64				
Edwin L. Lewis 203-740-5621				
Printed or Typed Name Telephone Number				
Vice President, General Counsel and Jecretary				

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.





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REVOCATION OF POWER OF ATTORNEY WITH NEW POWER OF ATTORNEY AND

CHANGE OF CORRESPONDENCE ADDRESS

Application Number	10/803,847
Filing Date	March 18, 2004
First Named Inventor	Guangming Xiao
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	67493/121 (6758.2-1)

I hereby revoke all previous powers of attorney given in the above-identified application.								
A Power of Attorney is submitted herewith.								
<i>OR</i> ✓ I here	OR I hereby appoint the practitioners associated with the Customer Number: 1912							
Please change the correspondence address for the above-identified application to: The address associated with Customer Number: 1912 OR								
Firm o	or Iual Name	Charles R. Macedo, Es	sq.					
Address Amster, Rothstein & Ebenstein, LLP 900 Park Avenue								
City		New York		State	New Y	ork	 Zip	10016
Country		USA						
Telephone		212-336-8000		Fax ₂₁₂₋₃₃₆₋₈₀₀₁				
I am the: Applicant/Inventor. Assignee of record of the entire interest. See 37 CFR 3.71.								
Assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)								
SIGNATURE of Applicant or Assignee of Record								
Signature								
Name	Name PHOTRONICS, INC. , Edwin L. Lewis							
Date 11-03-04 Telephone 203 740-5621								
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.								
✓ •Total		forms are submitted.						

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STATEMENT UNDER 37 CFR 3.73(b)				
Applicant/Patent Owner: GUANGMING XIAO				
Application No./Patent No.: 10/803,847 Filed/Issue Date: March 18, 2004				
Entitled: EMBEDDED ATTENUATED PHASE SHIFT MASK WITH TUNABLE TRANSMISSION				
PHOTRONICS_INC. , a <u>CORPORATION</u> (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)				
states that it is: 1. the assignee of the entire right, title, and interest; or				
2. an assignee of less than the entire right, title and interest. The extent (by percentage) of its ownership interest is%				
in the patent application/patent identified above by virtue of either:				
A assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 015122 , Frame 0219 , or for which a copy thereof is attached. OR				
B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:				
1. From: To:				
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To: The document was recorded in the United States Patent and Trademark Office at				
The document was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.				
Additional documents in the chain of title are listed on a supplemental sheet.				
Copies of assignments or other documents in the chain of title are attached. [NOTE: A separate copy (<i>i.e.</i> , a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]				
The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.				
1 3 . 07				
Signature Date				
Printed or Typed Name Telephone Number				
Vice President, General Counsel and Jaccotory				

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.







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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/18/2004

REEL/FRAME: 015122/0219

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

XIAO, GUANGMING

DOC DATE: 03/16/2004

ASSIGNEE:

PHOTRONICS, INC. 15 SECOR ROAD

BROOKFIELD, CONNECTICUT

SERIAL NUMBER: 10803847

PATENT NUMBER:

FILING DATE: 03/18/2004

ISSUE DATE:

TITLE: EMBEDDED ATTENUATED PHASE SHIFT MASK WITH TUNABLE TRANSMISSION

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TONYA LEE, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

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Form PTO-1595 (Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005) Tab settings ⇒ ⇒ ▼ 1 02703				
To the Honorable Commissioner of Patents and Trademarks:	Please record the attached original documents or copy thereof.			
1. Name of conveying party(ies): 3.18.04	Name and address of receiving party(ies) Name: Photronics, Inc.			
	Internal Address:			
Additional name(s) of conveying party(les) attached? Yes No 3. Nature of conveyance:				
Assignment Merger Security Agreement Change of Name Other	Street Address: 15 Secor Road			
3/16/04 Execution Date:	City:_BrookfieldState:_CT_Zip: Additional name(s) & address(es) attached? Yes No			
4. Application number(s) or patent number(s): If this document is being filed together with a new appli	cation, the execution date of the application is: 3/16/04			
A. Patent Application No.(s)	B. Patent No.(s)			
Additional numbers attached? Yes No				
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:			

Name: Munsch Hardt Kopf & Harr, P.C.	7. Total fee (37 CFR 3.41)\$40.00
Intellectual Property Section	✓ Enclosed
	Authorized to be charged to deposit account
Street Address:1445 Ross Avenue, Ste. 4000	8. Deposit account number:
City: DallasState: TX Zip: 75202-2790	

DO NOT USE THIS SPACE

9. Signature.

Marc A. Hubbard

Name of Person Signing

March 18, 2004

Date

Total number of pages including cover sheet, attachments, and documents:

ATTY. DOCKET NO. 6,38.2-1

PATENT

ASSIGNMENT

WHEREAS, I, the below named inventor, has invented certain new and useful inventions disclosed in a application for United States Letters Patent entitled "EMBEDDED ATTENUATED PHASE SHIFT MASK WITH TUNABLE TRANSMISSION" executed concurrently herewith.

WHEREAS, Photronics, Inc., a corporation of the State of Connecticut, having a place of business at 15 Secor Road, Brookfield, Connecticut. (hereinafter referred to as "ASSIGNEE"), desires to acquire the entire right, title and interest in and to said inventions, any application and any patents and other rights that may be granted on or for any one and all of said inventions throughout the world.

NOW, THEREFORE, for and in consideration of one dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, as the undersigned inventor, hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest in and to said inventions, said application and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof, and all patents which may be granted for said inventions. I authorize and request the Commissioner of Patents and Trademarks to issue all patents for said inventions, and all patents resulting from said application and all divisions, reissues, substitutions, continuation, continuations-in-part and extensions thereof, to ASSIGNEE as owner of the entire right, title and interest.

I also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive right, title and interest to the inventions disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said inventions in its own name, all rights to publish cautionary notices reserving its ownership of said invention, all rights to register said invention in appropriate registries throughout the world, and all rights of priority under the terms of the International Convention for the Protection of Industrial Property and other applicable conventions and treaties.

I will execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect and fully vest the forgoing rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

I will communicate to ASSIGNEE, or to its successors, assigns and legal representatives, any facts known to me respecting the inventions and any improvements; and, at the expense of ASSIGNEE, will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, and make all lawful oaths, and generally do everything reasonably necessary to vest title in ASSIGNEE and to aid ASSIGNEE, its successors, assigns and legal representatives in obtaining and enforcing protection for said inventions in all countries throughout the world.

(SEAL)

IN WITNESS WHEREOF, I have	nereunio set my hands and seals.
	GUANGMING XIAO
a desire, personally appeared dualighting.	2004, before me, the undersigned Notary Xiao, known to me to be the person of the above name g instrument, and acknowledged that he executed it for therein.
Terri A. South Notary Public, State of Texas My Commission Equiva JULY 20, 2004	Jerri A. South Notary Public State of TX County of Trous's My Commission Expires: July 20, 2004